

```

restricted (late, very late) library()
{

while (more users)
{

    determine status of user's book

    if not overdue
    {
        do nothing
    }
    if late
    {
        remind_late_user(user)
    }

    if very late
    {
        remind_very_late(user)
    }
}

while(more letters)
{
    send_letter_to_printer(letter)
}
}

restricted remind_late_user(user)
{
    lookup user's address, book name; number of days overdue by; outstandin
    fine; waiting list; borrower history
    calculating fine due
    retrieve late text
    build letter in volatile memory
}

restricted remind_very_late_user(user)
{
    lookup user's address; book name; number of days overdue by, ,waiting list
    calculating fine due
    retrieve very late text
    build letter in volatile memory
}

send_letter_to_printer(letter)
{

    print letter}
}

```

Figure 1 }

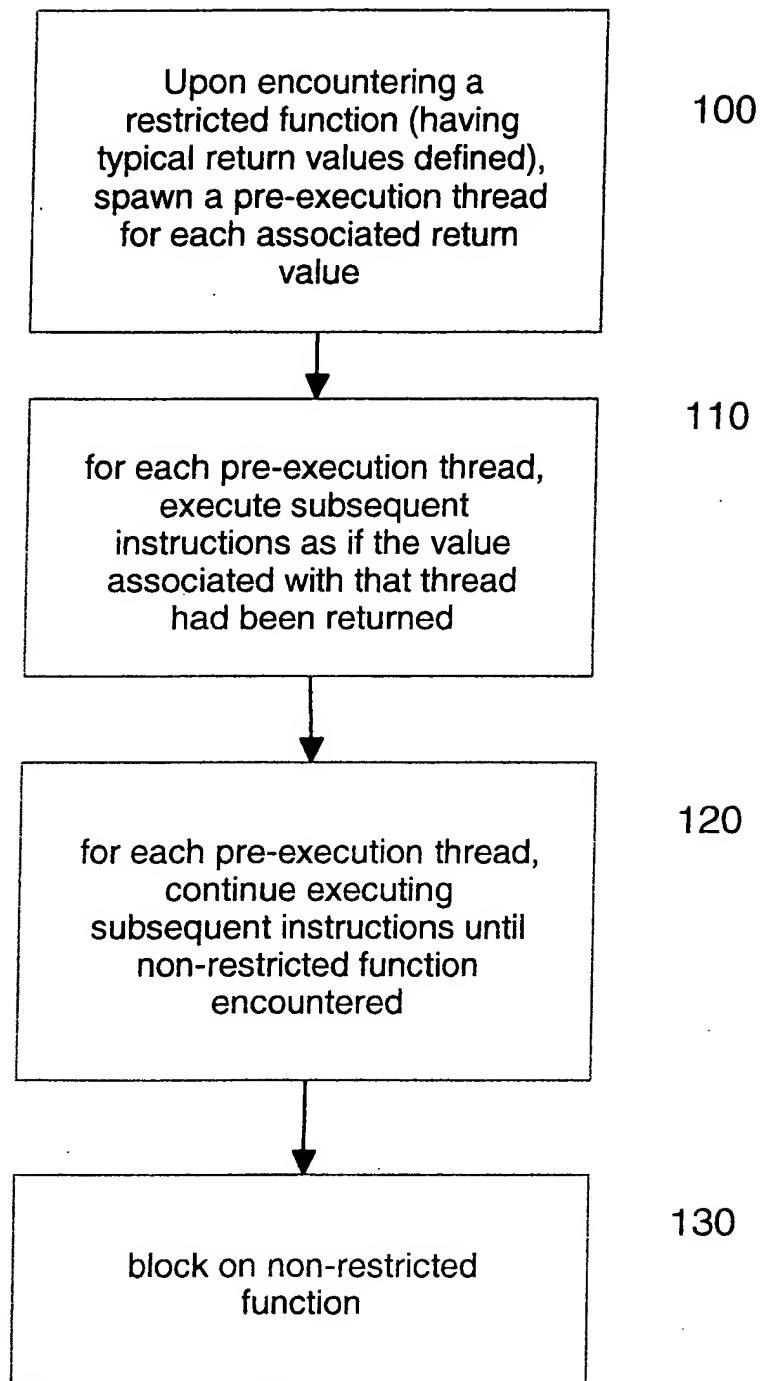


Figure 2a

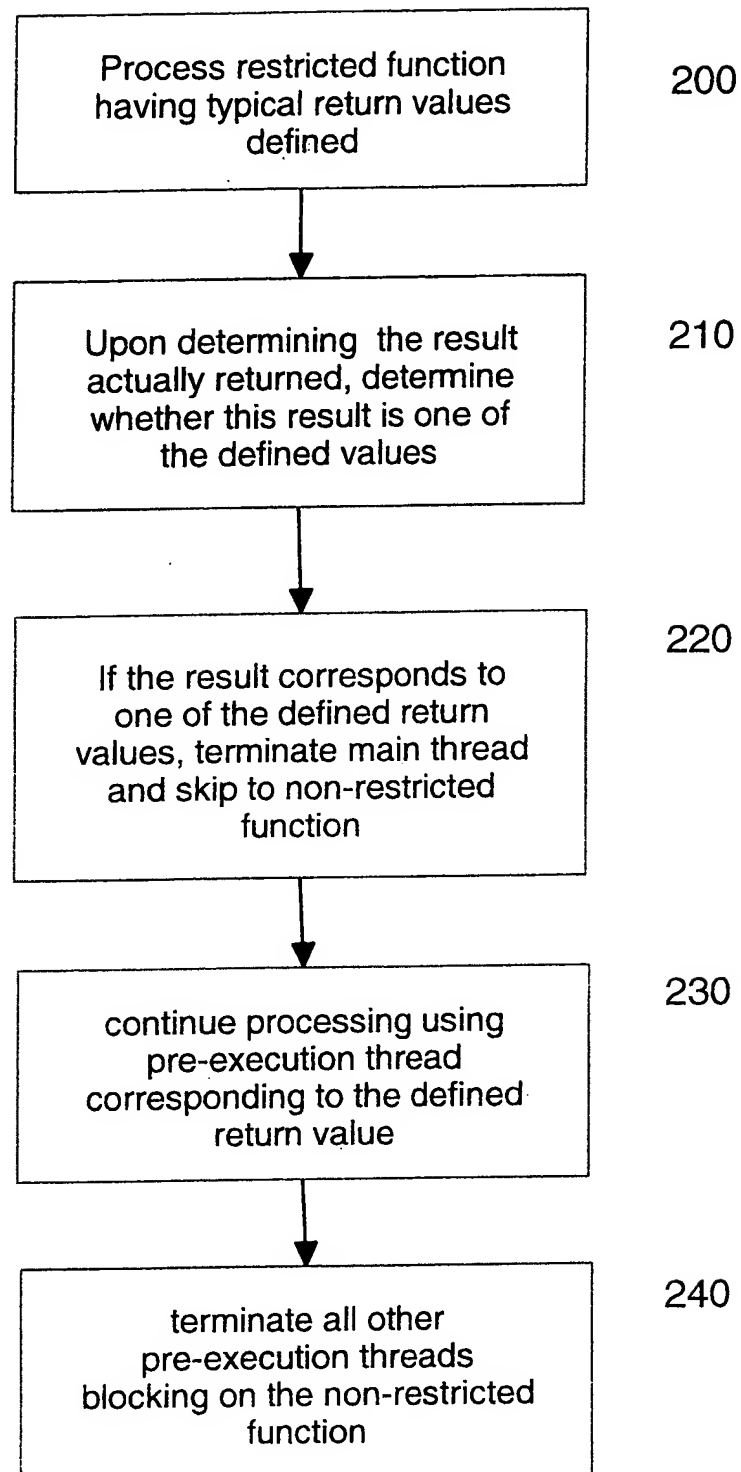


Figure 2b

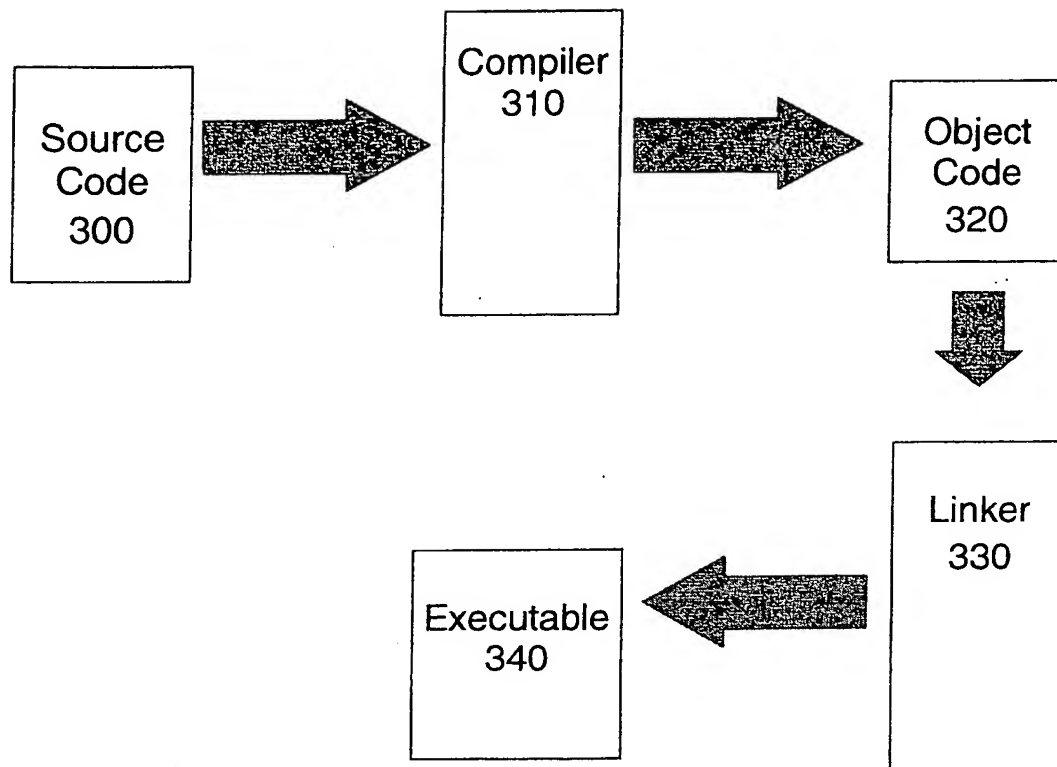


Figure 3